ADIRONDACK
TECHNOLOGY

Accelerate with vSync DVR

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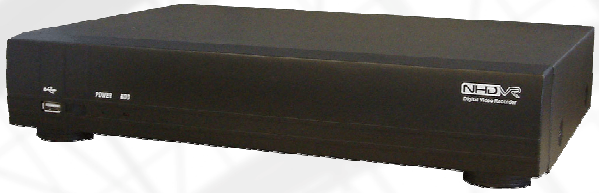
1. Overview

Most Reliability | High Image Quality | Long Period | User-Friendly

- State-Of-The-Art Video Synchronization to DVR and IP Camera
- Unbeatable Internet Streaming Speed via vSync and IE
- vSync, Multi-Site Enterprise Level Client Software
- Up to 80Ch of Selectable Cameras Display
- Built-In Embedded Web-Server for Remote-Configuration
- Flawless Performance and Reliability
- Maximize R2 MPEG4 Algorithm
- Up to 4TB IDE/SATA Internal Storage
- Backup via CD-RW, DVD-RW, USB2.0 Device, and vSync

2. Product Line-Up



SSA-4300i

SSA-0412i

SSA-0912i / SSA-1612i
SSA-1612i / SSA-1624i
SSA-1648i

3-1. Features

Real-Time Live View Monitoring

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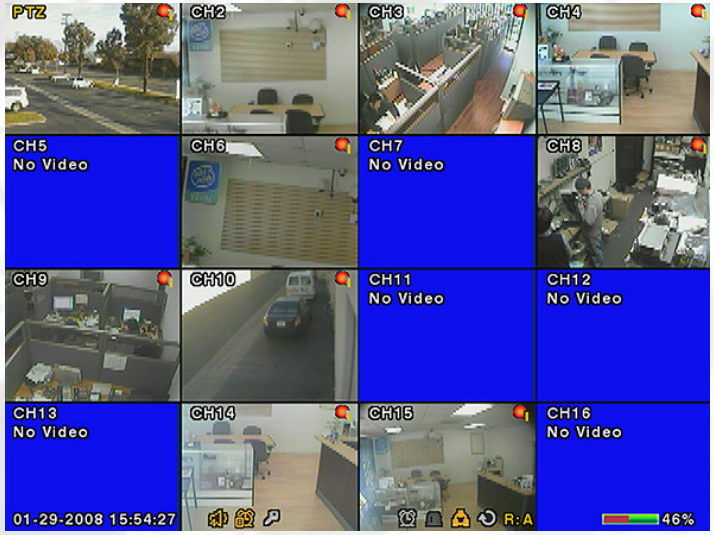
Real-Time Live View Monitoring



- User Friendly Setup Menu with G.U.I. (Graphic User Interface)
- High Quality Live and Playback Resolution
- **Embedded Web Server**
  (Remote Configuration Can Controll All DVR's Functions)
- Direct Web-Viewer by using IP address
  or DDNS address in Internet Explorer
- Network via LAN, DDNS, DHCP, ADSL
  (Dynamic and Static IP Address)
- Full Duplex 4 Channel G.711 Synchronized Audio Recording
- Email Video Clips on Alarm, IP Notification for DHCP Servers

3-2. Features

Accelerate with vSync Software

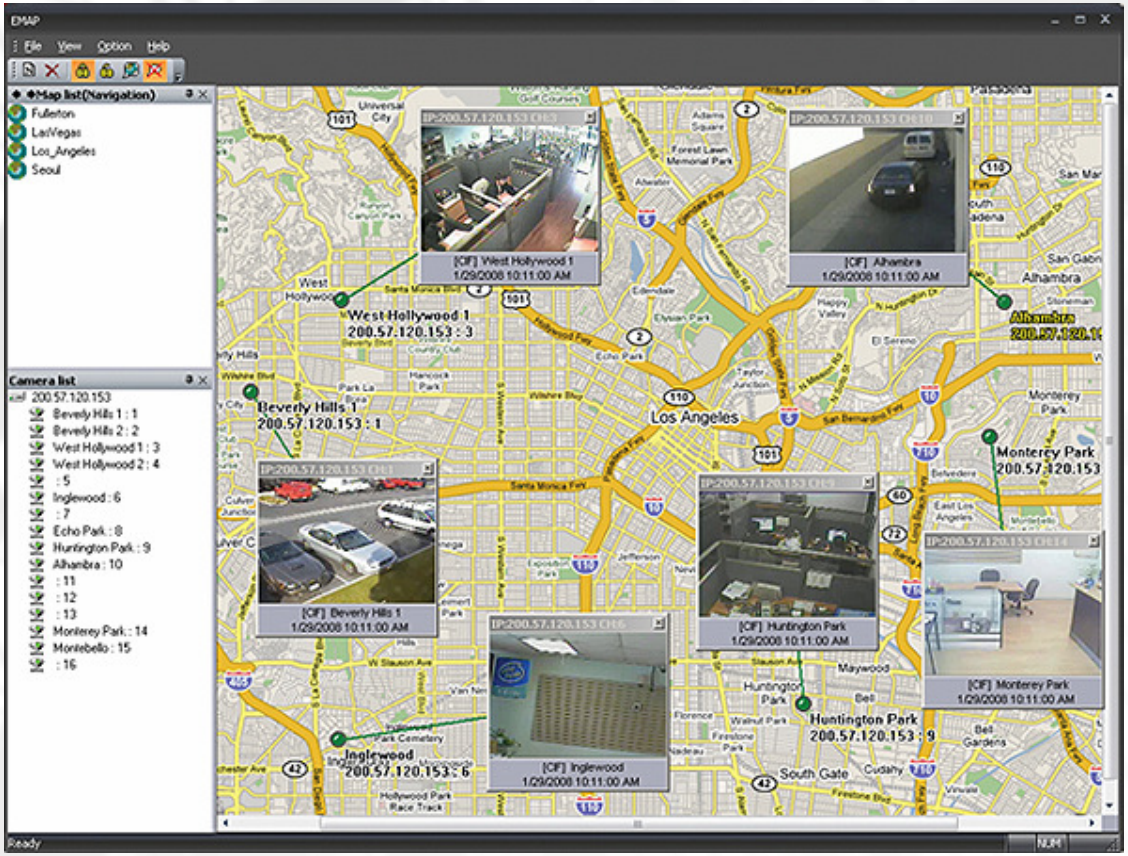
3-2. Features

Accelerate with vSync Software

- **Multi-Site Management up to 80 Cameras via Network**
- Live Connection & Selectable Cameras up to 80 Channels
- Full Duplex Bi-directional Audio/2-way Communication
- Recording on Client PC, Alarm/Motion Indication, eMAP
- Remote Relay control, Remote PTZ control

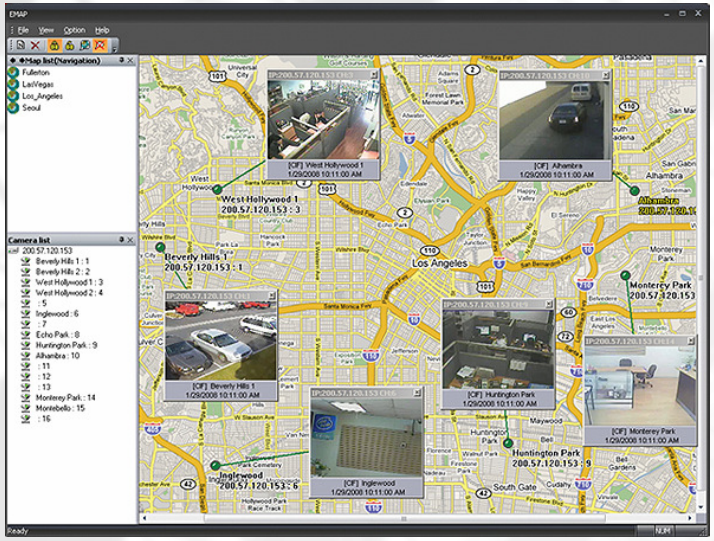
3-3. Features

vSync E-map Function



3-3. Features

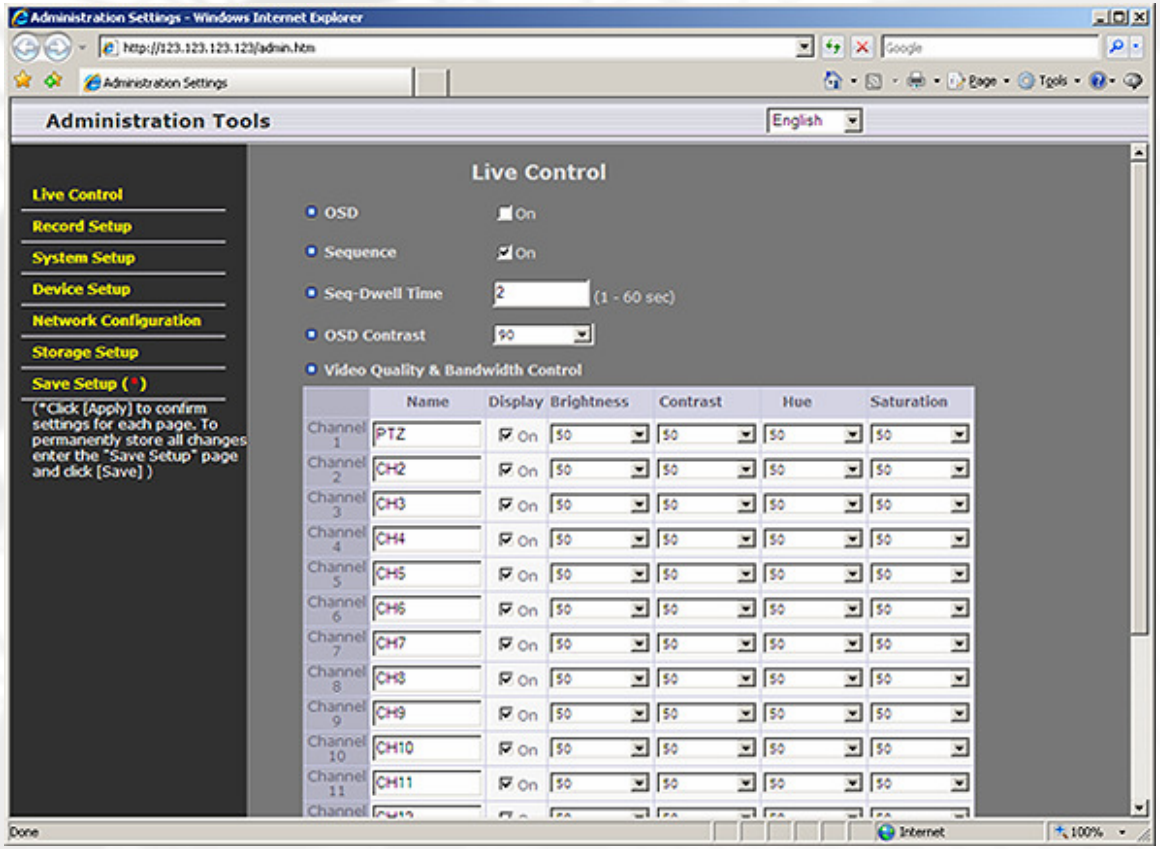
vSync E-map Function



- Locating any Cameras to any spots on a map in .bmp map format
- Show Live Video by clicking on Live image

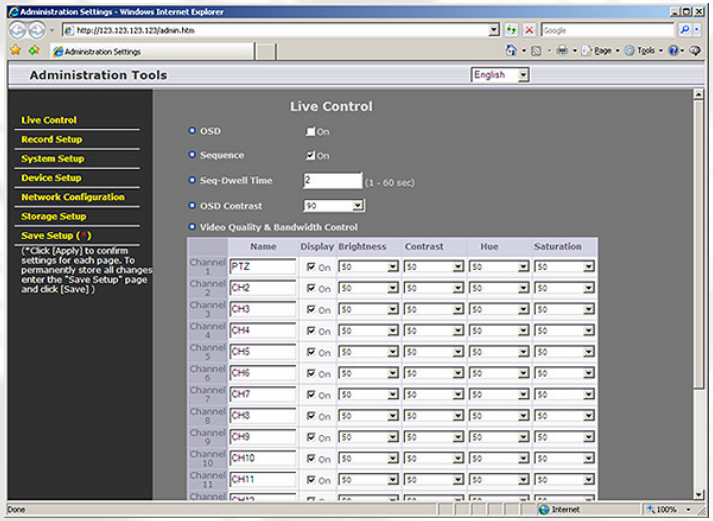
3-4. Features

Full Remote Administration Control



3-4. Features

Full Remote Administration Control



- vSync client software provides a Remote Web Interface to Access most set up parameters
- Live Control Setup, Record Setup, System Setup, Device Setup Network Configuration, Storage Setup, Save Setup

4. Other Features

- Two-way audio communication between the site and monitoring room
- Firmware upgrade via USB2.0 memory storage
- Internal ODD (CD R/W or DVD R/W) Support

5. Specifications for SSA-4300i & SSA-0412i

	SSA-4300i		SSA-0412i	
Operating System	RTOS (Real Time Operating System)			
Video Compression	MPEG-4 (Video)		MPEG-4 (Video) / PCM (Audio)	
Triplex Function	Record/ Playback/ Live Streaming or Record/ USB Archive/ Live Streaming			
Video Input Format	NTSC/PAL - Auto Detection			
Video Input / Output	4Ch In / 1Ch VGA, 1Ch BNC (Composite)		4Ch In / 1Ch Composite or VGA Out Selectable	
Display Frame Rate	NTSC	PAL	NTSC	PAL
	120 frames/s Real-Time (Hidden Display function) 4Ch x 30 Frames/s	**100 frames/s 25 frames/s/Ch**	**120 frames/s Real-Time (Secret Display Function) 4Ch x 30 frames/s**	**100 frames/s 4Ch x 25 frames/s**
Recording Frame Rate (Quad)	**120 frames/s (Hidden Display function) 352 x 240 resolution**	**100 frames/s 352 x 288 resolution**	**120 frames/s Real-Time (Secret Display Function) 4Ch, 352 x 240 resolution**	**100 frames/s 4Ch, 352 x 288 resolution**
Recording Frame Rate (Full)	**30 frames/s (Total) 704 x 480 resolution**	**25 frames/s (Total) 704 x 576 resolution**	**30 frames/s (Total) (Secret Record Function) 1Ch, 704 x 480 resolution**	**25 frames/s (Total) 1Ch, 704 x 576 resolution**
Record Modes	Continuous/Motion/Schedule/Sensor/Manual			
Record Quality	Normal/High/Super			
Resolution	NTSC : 704 x 480(1 CH), 352x 240(Quad) / PAL : 704 x 576(1 CH), 352 x 288(Quad) Supports CIF and Full D1			
Alarm In/Alarm Output	4 Alarm Input (NC/NO selectable) / 1 Relay Output			
HDD	3.5”, IDE type9 (IDE ATA133 Type), Min 80GB up to 1 IDE HDDs			
Motion Detection	Motion-Triggered Recording			
Search Mode	Date/ Time/ Event Search		Date/ Channel/ Recording Type	
Playback Speed	1x, 2x, 4x		1x, 2x, 4x, x8, x16, x32	
USB	Archiving (still images in JPEG format, video in AVI format), Firmware upgrade			
Upgrade Method	USB 2.0 Port or Web-Browser / LAN			
Network Interface	LAN(10/100Base-T), Static, DHCP, PPPoE, and DDNS			

5. Specifications for SSA-4300i & SSA-0412i Continued

	SSA-4300i	SSA-0412i
Client PC S/W (vSync)	Live Connection & Customizable Camera Layout up to 80 channels Embedded Web Server (Remote Configuration of all vSync DVRs) Full Duplex Bi-directional Audio (2-way Communication) Recording on Client PC, Alarm/Motion Indicator, eMAP, Digital Live Zoom Remote Relay Control, Remote PTZ Control	
Remote Playback	Via vSync Client Software	
Power	110/220V, 50/60Hz, 12V/5A	
Dimension (inch)	13.2(W) x 9.8(L) x 2.6(H)	13.6(W) x 10.2(L) x 2.8(H)

5. Specifications SSA-0912i / 0924i, SSA-1612i / 1624i / 1648i

	SSA-0912i / 0924i		SSA-1612i / 1624i / 1648i	
Operating System	RTOS in Firmware (Real Time Operating System)			
Video/Audio Compression	MPEG-4 (Video) / G.711-PCM (Audio)			
Triplex Function	Record/ Playback/ Live Streaming or Record/ USB Archive/ Live Streaming			
Video Input Format	NTSC/PAL - Auto Detection			
Video Input / Output	1 Ch VGA, 1 Ch BNC (Composite), 1 Ch Spot-Out. 9Ch Loop-Out, 1Ch S-Video			
Display Frame Rate	NTSC	PAL	NTSC	PAL
	270 frames/s Real-Time (Hidden Display function) 9Ch x 30 Frames/s	**225 frames/s 25 frames/s/Ch**	**480 frames/s Real-Time (Secret Display Function) 16Ch x 30 frames/s**	**400 frames/s 25 frames/s/Ch**
Recording Frame Rate (Quad)	**120/240 frames/s (Hidden Display function) 352 x 240 resolution**	**100/200 frames/s 352 x 288 resolution**	**120/240/480 frames/s Real-Time (Secret Display Function) 352 x 240 resolution**	**100/200/300 frames/s 352 x 288 resolution**
Recording Frame Rate (Full)	**60 frames/s (Total) 704 x 480 resolution**	**50 frames/s (Total) 704 x 576 resolution**	**30 frames/s (Total) (Secret Record Function) 704 x 480 resolution**	**25 frames/s (Total) 704 x 576 resolution**
Record Modes	Continuous/Motion/Schedule/Sensor/Manual			
Record Quality	Normal/High/Superior/Ultra			
Resolution	NTSC : 704 x 480(1 CH), 352x 240(Quad) / PAL : 704 x 576(1 CH), 352 x 288(Quad) Supports CIF, Half-D1 and Full D1			
Alarm In/Alarm Output	4Ch Input / 1Ch Output 2-way communication (Bi-Directional) Audio via Network			
HDD	3.5", IDE type9 (IDE ATA133 Type), Min 80GB up to 2 IDE HDDs			
CD-RW	Optional CD-RW			
Motion Detection	Motion-Triggered Recording			
Search Mode	Date/Time/Event Search			
Playback Speed	1x, 2x, 4x, x8			
Serial Interface	1 RS232C (POS text inserter connection), 1 RS422/485 (for PTZ Control)			
USB	Archiving (still images in JPEG format, video in AVI format), Firmware upgrade			

5. Specifications SSA-0912i / 0924i, SSA-1612i / 1624i / 1648i

	SSA-0912i / 0924i	SSA-1612i / 1624i / 1648i
Upgrade Method	USB 2.0 or Web-browser	
PTZ Control	Local & vSync Client Software	
Network Interface	LAN(10/100Base-T), Static, DHCP, PPPoE, and DDNS	
Client PC S/W (vSync)	Live connection & Selectable Cameras up to 80 channels, Embedded Web Server (Remote configuration of all vSync DVRs) Full Duplex Bi-directional Audio (2-way communication) Recording on Client PC, Alarm/Motion Indication, eMAP, Digital Live Zoom Remote Relay control, Remote PTZ control	
Remote Playback	Via vSync Client Software	
Power	110-220V, 50/60Hz	
Dimension (inch)	16.7(W) x 17.5(L) x 3.7(H)	

Thank you